RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: _10/566,637_
Source: _1 FWP_
Date Processed by STIC: _2/7/06_

ENTERED

IFWP

RAW SEQUENCE LISTING   DATE: 02/07/2006
PATENT APPLICATION: US/10/566,637   TIME: 10:20:31

        Input Set : A:\PTO.KD.txt
        Output Set: N:\CRF4\02012006\J566637.raw

```
      4 <110> APPLICANT: Yukio Goto
      5        Hideo Kikkawa
      6        Mine Kinoshita
      9 <120> TITLE OF INVENTION: METHODS OF TREATMENT WITH LXR AGONISTS
     12 <130> FILE REFERENCE: TB00009
C--> 14 <140> CURRENT APPLICATION NUMBER: US/10/566,637
C--> 15 <141> CURRENT FILING DATE: 2006-01-27
     17 <150> PRIOR APPLICATION NUMBER: PCT/EP2004/008426
W--> 18 <151> PRIOR FILING DATE: 2004-7-27
     20 <150> PRIOR APPLICATION NUMBER: 60/490614
W--> 21 <151> PRIOR FILING DATE: 2003-7-28
     23 <160> NUMBER OF SEQ ID NOS: 4
     25 <170> SOFTWARE: FastSEQ for Windows Version 4.0
     27 <210> SEQ ID NO: 1
     28 <211> LENGTH: 1344
     29 <212> TYPE: DNA
     30 <213> ORGANISM: human
     32 <400> SEQUENCE: 1
     33 atgtccttgt ggctgggggc ccctgtgcct gacattcctc ctgactctgc ggtggagctg 60
     34 tggaagccag gcgcacagga tgcaagcagc caggcccagg gaggcagcag ctgcatcctc 120
     35 agagaggaag ccaggatgcc ccactctgct gggggtactg caggggtggg gctggaggct 180
     36 gcagagccca cagccctgct caccagggca gagccccctt cagaacccac agagatccgt 240
     37 ccacaaaagc ggaaaaaggg gccagccccc aaaatgctgg ggaacgagct atgcagcgtg 300
     38 tgtggggaca aggcctcggg cttccactac aatgttctga gctgcgaggg ctgcaaggga 360
     39 ttcttccgcc gcagcgtcat caagggagcg cactacatct gccacagtgg cggccactgc 420
     40 cccatggaca cctacatgcg tcgcaagtgc caggagtgtc ggcttcgcaa atgccgtcag 480
     41 gctggcatgc gggaggagtg tgtcctgtca gaagaacaga tccgcctgaa gaaactgaag 540
     42 cggcaagagg aggaacaggc tcatgccaca tccttgcccc ccaggcgttc ctcacccccc 600
     43 caaatcctgc cccagctcag cccggaacaa ctgggcatga tcgagaagct cgtcgctgcc 660
     44 cagcaacagt gtaaccggcg ctccttttct gaccggcttc gagtcacgcc ttggcccatg 720
     45 gcaccagatc cccatagccg ggaggcccgt cagcagcgct ttgcccactt cactgagctg 780
     46 gccatcgtct ctgtgcagga gatagttgac tttgctaaac agctacccgg cttcctgcag 840
     47 ctcagccggg aggaccagat tgccctgctg aagacctctg cgatcgaggt gatgcttctg 900
     48 gagacatctc ggaggtacaa ccctgggagt gagagtatca ccttcctcaa ggatttcagt 960
     49 tataaccggg aagactttgc caaagcaggg ctgcaagtgg aattcatcaa ccccatcttc 1020
     50 gagttctcca gggccatgaa tgagctgcaa ctcaatgatg ccgagtttgc cttgctcatt 1080
     51 gctatcagca tcttctctgc agaccggccc aacgtgcagg accagctcca ggtggagagg 1140
     52 ctgcagcaca catatgtgga agccctgcat gcctacgtct ccatccacca tccccatgac 1200
     53 cgactgatgt tcccacggat gctaatgaaa ctggtgagcc tccggaccct gagcagcgtc 1260
     54 cactcagagc aagtgtttgc actgcgtctg caggacaaaa agctcccacc gctgctctct 1320
     55 gagatctggg atgtgcacga atga 1344
     57 <210> SEQ ID NO: 2
     58 <211> LENGTH: 447
```

RAW SEQUENCE LISTING   DATE: 02/07/2006
PATENT APPLICATION: US/10/566,637   TIME: 10:20:31

Input Set : A:\PTO.KD.txt
Output Set: N:\CRF4\02012006\J566637.raw

```
59 <212> TYPE: PRT
60 <213> ORGANISM: human
62 <400> SEQUENCE: 2
63 Met Ser Leu Trp Leu Gly Ala Pro Val Pro Asp Ile Pro Pro Asp Ser
64 1               5                   10                  15
65 Ala Val Glu Leu Trp Lys Pro Gly Ala Gln Asp Ala Ser Ser Gln Ala
66              20                  25                  30
67 Gln Gly Gly Ser Ser Cys Ile Leu Arg Glu Glu Ala Arg Met Pro His
68          35                  40                  45
69 Ser Ala Gly Gly Thr Ala Gly Val Gly Leu Glu Ala Ala Glu Pro Thr
70      50                  55                  60
71 Ala Leu Leu Thr Arg Ala Glu Pro Pro Ser Glu Pro Thr Glu Ile Arg
72 65                  70                  75                  80
73 Pro Gln Lys Arg Lys Lys Gly Pro Ala Pro Lys Met Leu Gly Asn Glu
74              85                  90                  95
75 Leu Cys Ser Val Cys Gly Asp Lys Ala Ser Gly Phe His Tyr Asn Val
76              100                 105                 110
77 Leu Ser Cys Glu Gly Cys Lys Gly Phe Phe Arg Arg Ser Val Ile Lys
78          115                 120                 125
79 Gly Ala His Tyr Ile Cys His Ser Gly Gly His Cys Pro Met Asp Thr
80      130                 135                 140
81 Tyr Met Arg Arg Lys Cys Gln Glu Cys Arg Leu Arg Lys Cys Arg Gln
82 145              150                 155                 160
83 Ala Gly Met Arg Glu Glu Cys Val Leu Ser Glu Glu Gln Ile Arg Leu
84              165                 170                 175
85 Lys Lys Leu Lys Arg Gln Glu Glu Glu Gln Ala His Ala Thr Ser Leu
86              180                 185                 190
87 Pro Pro Arg Arg Ser Ser Pro Pro Gln Ile Leu Pro Gln Leu Ser Pro
88          195                 200                 205
89 Glu Gln Leu Gly Met Ile Glu Lys Leu Val Ala Ala Gln Gln Gln Cys
90      210                 215                 220
91 Asn Arg Arg Ser Phe Ser Asp Arg Leu Arg Val Thr Pro Trp Pro Met
92 225              230                 235                 240
93 Ala Pro Asp Pro His Ser Arg Glu Ala Arg Gln Gln Arg Phe Ala His
94              245                 250                 255
95 Phe Thr Glu Leu Ala Ile Val Ser Val Gln Glu Ile Val Asp Phe Ala
96              260                 265                 270
97 Lys Gln Leu Pro Gly Phe Leu Gln Leu Ser Arg Glu Asp Gln Ile Ala
98          275                 280                 285
99 Leu Leu Lys Thr Ser Ala Ile Glu Val Met Leu Leu Glu Thr Ser Arg
100     290                 295                 300
101 Arg Tyr Asn Pro Gly Ser Glu Ser Ile Thr Phe Leu Lys Asp Phe Ser
102 305              310                 315                 320
103 Tyr Asn Arg Glu Asp Phe Ala Lys Ala Gly Leu Gln Val Glu Phe Ile
104              325                 330                 335
105 Asn Pro Ile Phe Glu Phe Ser Arg Ala Met Asn Glu Leu Gln Leu Asn
106              340                 345                 350
107 Asp Ala Glu Phe Ala Leu Leu Ile Ala Ile Ser Ile Phe Ser Ala Asp
108      355                 360                 365
```

```
                    RAW SEQUENCE LISTING              DATE: 02/07/2006
                    PATENT APPLICATION:  US/10/566,637    TIME: 10:20:31

                    Input Set : A:\PTO.KD.txt
                    Output Set: N:\CRF4\02012006\J566637.raw

109 Arg Pro Asn Val Gln Asp Gln Leu Gln Val Glu Arg Leu Gln His Thr
110     370             375             380
111 Tyr Val Glu Ala Leu His Ala Tyr Val Ser Ile His His Pro His Asp
112 385             390             395                 400
113 Arg Leu Met Phe Pro Arg Met Leu Met Lys Leu Val Ser Leu Arg Thr
114             405             410                 415
115 Leu Ser Ser Val His Ser Glu Gln Val Phe Ala Leu Arg Leu Gln Asp
116         420             425                 430
117 Lys Lys Leu Pro Pro Leu Leu Ser Glu Ile Trp Asp Val His Glu
118     435             440                 445
121 <210> SEQ ID NO: 3
122 <211> LENGTH: 1383
123 <212> TYPE: DNA
124 <213> ORGANISM: human
126 <400> SEQUENCE: 3
127 atgtcctctc ctaccacgag ttccctggat acccccctgc ctggaaatgg ccccccctcag 60
128 cctggcgccc cttcttcttc acccactgta aaggaggagg gtccggagcc gtggcccggg 120
129 ggtccggacc ctgatgtccc aggcactgat gaggccagct cagcctgcag cacagactgg 180
130 gtcatcccag atcccgaaga ggaaccagag cgcaagcgaa agaagggccc agccccgaag 240
131 atgctgggcc acgagctttg ccgtgtctgt ggggacaagg cctccggctt ccactacaac 300
132 gtgctcagct gcgaaggctg caagggcttc ttccggcgca gtgtggtccg tggtggggcc 360
133 aggcgctatg cctgccgggg tggcggaacc tgccagatgg acgctttcat gcggcgcaag 420
134 tgccagcagt gccggctgcg caagtgcaag gaggcaggga tgagggagca gtgcgtcctt 480
135 tctgaagaac agatccggaa gaagaagatt cggaaacagc agcaggagtc acagtcacag 540
136 tcgcagtcac ctgtggggcc gcagggcagc agcagctcag cctctgggcc tggggcttcc 600
137 cctggtggat ctgaggcagg cagccagggc tccggggaag gcgagggtgt ccagctaaca 660
138 gcggctcaag aactaatgat ccagcagttg gtggcggccc aactgcagtg caacaaacgc 720
139 tccttctccg accagcccaa agtcacgccc tggcccctgg gcgcagaccc ccagtcccga 780
140 gatgcccgcc agcaacgctt tgcccacttc acggagctgg ccatcatctc agtccaggag 840
141 atcgtggact cgctaagca agtgcctggt ttcctgcagc tgggccggga ggaccagatc 900
142 gccctcctga aggcatccac tatcgagatc atgctgctag agacagccag gcgctacaac 960
143 cacgagacag agtgtatcac cttcttgaag gacttcacct acagcaagga cgacttccac 1020
144 cgtgcaggcc tgcaggtgga gttcatcaac cccatcttcg agttctcgcg ggccatgcgg 1080
145 cggctgggcc tggacgacgc tgagtacgcc ctgctcatcg ccatcaacat cttctcggcc 1140
146 gaccggccca acgtgcagga gccgggccgc gtggaggcgt tgcagcagcc ctacgtggag 1200
147 gcgctgctgt cctacacgcg catcaagagg ccgcaggacc agctgcgctt cccgcgcatg 1260
148 ctcatgaagc tggtgagcct gcgcacgctg agctctgtgc actcggagca ggtcttcgcc 1320
149 ttgcggctcc aggacaagaa gctgccgcct ctgctgtcgg agatctggga cgtccacgag 1380
150 tga                                                              1383
152 <210> SEQ .ID NO: 4
153 <211> LENGTH: 460
154 <212> TYPE: PRT
155 <213> ORGANISM: human
157 <400> SEQUENCE: 4
158 Met Ser Ser Pro Thr Thr Ser Ser Leu Asp Thr Pro Leu Pro Gly Asn
159 1               5               10              15
160 Gly Pro Pro Gln Pro Gly Ala Pro Ser Ser Ser Pro Thr Val Lys Glu
161         20              25              30
162 Glu Gly Pro Glu Pro Trp Pro Gly Gly Pro Asp Pro Asp Val Pro Gly
```

```
163         35                  40                  45
164 Thr Asp Glu Ala Ser Ser Ala Cys Ser Thr Asp Trp Val Ile Pro Asp
165     50                  55                  60
166 Pro Glu Glu Glu Pro Glu Arg Lys Arg Lys Lys Gly Pro Ala Pro Lys
167 65                  70                  75                  80
168 Met Leu Gly His Glu Leu Cys Arg Val Cys Gly Asp Lys Ala Ser Gly
169                 85                  90                  95
170 Phe His Tyr Asn Val Leu Ser Cys Glu Gly Cys Lys Gly Phe Phe Arg
171                 100                 105                 110
172 Arg Ser Val Val Arg Gly Gly Ala Arg Arg Tyr Ala Cys Arg Gly Gly
173         115                 120                 125
174 Gly Thr Cys Gln Met Asp Ala Phe Met Arg Arg Lys Cys Gln Gln Cys
175     130                 135                 140
176 Arg Leu Arg Lys Cys Lys Glu Ala Gly Met Arg Glu Gln Cys Val Leu
177 145                 150                 155                 160
178 Ser Glu Glu Gln Ile Arg Lys Lys Lys Ile Arg Lys Gln Gln Gln Glu
179                 165                 170                 175
180 Ser Gln Ser Gln Ser Gln Ser Pro Val Gly Pro Gln Gly Ser Ser Ser
181         .   180                 185                 190         .
182 Ser Ala Ser Gly Pro Gly Ala Ser Pro Gly Gly Ser Glu Ala Gly Ser
183         195                 200                 205
184 Gln Gly Ser Gly Glu Gly Glu Gly Val Gln Leu Thr Ala Ala Gln Glu
185     210                 215                 220
186 Leu Met Ile Gln Gln Leu Val Ala Ala Gln Leu Gln Cys Asn Lys Arg
187 225                 230                 235                 240
188 Ser Phe Ser Asp Gln Pro Lys Val Thr Pro Trp Pro Leu Gly Ala Asp
189                 245                 250                 255
190 Pro Gln Ser Arg Asp Ala Arg Gln Gln Arg Phe Ala His Phe Thr Glu
191                 260                 265                 270
192 Leu Ala Ile Ile Ser Val Gln Glu Ile Val Asp Phe Ala Lys Gln Val
193         275                 280                 285
194 Pro Gly Phe Leu Gln Leu Gly Arg Glu Asp Gln Ile Ala Leu Leu Lys
195     290                 295                 300
196 Ala Ser Thr Ile Glu Ile Met Leu Leu Glu Thr Ala Arg Arg Tyr Asn
197 305                 310                 315                 320
198 His Glu Thr Glu Cys Ile Thr Phe Leu Lys Asp Phe Thr Tyr Ser Lys
199                 325                 330                 335
200 Asp Asp Phe His Arg Ala Gly Leu Gln Val Glu Phe Ile Asn Pro Ile
201                 340                 345                 350
202 Phe Glu Phe Ser Arg Ala Met Arg Arg Leu Gly Leu Asp Asp Ala Glu
203         355                 360                 365
204 Tyr Ala Leu Leu Ile Ala Ile Asn Ile Phe Ser Ala Asp Arg Pro Asn
205     370                 375                 380
206 Val Gln Glu Pro Gly Arg Val Glu Ala Leu Gln Gln Pro Tyr Val Glu
207 385                 390                 395                 400
208 Ala Leu Leu Ser Tyr Thr Arg Ile Lys Arg Pro Gln Asp Gln Leu Arg
209                 405                 410                 415
210 Phe Pro Arg Met Leu Met Lys Leu Val Ser Leu Arg Thr Leu Ser Ser
211                 420                 425                 430
```

RAW SEQUENCE LISTING   DATE: 02/07/2006
PATENT APPLICATION: US/10/566,637   TIME: 10:20:31

Input Set : **A:\PTO.KD.txt**
Output Set: **N:\CRF4\02012006\J566637.raw**

```
212 Val His Ser Glu Gln Val Phe Ala Leu Arg Leu Gln Asp Lys Lys Leu
213         435             440             445
214 Pro Pro Leu Leu Ser Glu Ile Trp Asp Val His Glu
215     450             455             460
```

VERIFICATION SUMMARY   DATE: 02/07/2006
PATENT APPLICATION: US/10/566,637   TIME: 10:20:32

Input Set : A:\PTO.KD.txt
Output Set: N:\CRF4\02012006\J566637.raw

L:14 M:270 C: Current Application Number differs, Replaced Current Application Number
L:15 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:18 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:21 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD